Curriculum Vitae

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- Teaching Courses:
  - ✧ Health Management
  - ✧ Health promotion theory and practice
  - ✧ Hospital production management and quality control
  - ✧ Healthcare marketing management
  - ✧ Healthcare industry strategy management
  - ✧ International medical affairs analysis
  - ✧ Elderly health technology and welfare
- The Highest Education Degree:
  - ✧ Ph.D., Dept. of Industrial Engineering and Management, Yuan-Ze University
  - ✧ Master, Dept. of Institute of Hospital and Health Care Administration, School of Medicine, National Yang-Ming University
  - ✧ Medical Technologist, Dept. of Medical Laboratory Science & Biotechnology, Yuan-Pei University of Medical Technology

- Research Area
  - ✧ Medical Technologist (Laboratory medicine & biochemistry)
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  - ✧ Hospital and Healthcare Administration

- Recent Publications: (ORCID ID: orcid.org/0000-0002-2713-3546)
  - ✧ Ming-Shu Chen, Shih-Hsin Chen*. (2019). "A data-driven Assessment of the Metabolic Syndrome Criteria for Adults Health Management in Taiwan", International journal of environmental research and public health, 16(1), 92, pp. 1-11. DOI:10.3390/ijerph16010092 (SCI/SSCI, IF=2.063/Q1). (ISSN: 1660-4601)
  - ✧ C. C Wang, X. Yang and M. S. Chen (2018) "Practical evaluation of the relationship between work fatigue and over fatigue in the high-tech employees", Basic & Clinical Pharmacology & Toxicology, 123(S3), pp. 36-37. (SCI, IF=2.659/Q2). (ISSN: 1742-7843)
  - ✧ Chao-Chung Ho, Ming-Shu Chen*, (2018) "Risk assessment and quality improvement of liquid waste management in Taiwan university chemical laboratories", WASTE MANAGEMENT, 71(2018), pp.578-588. DOI: 10.1016/j.wasman.2017.09.029 (SCI, IF=4.723/Q1). (ISSN: 0956-053X)
  - ✧ Chao-Chung Ho, Ming-Shu Chen*, Yong-Bao Jiang, (2017) "The Healthcare Quality and Performance Evaluation of Hospitals with Different Ownerships - Demonstrated by Taiwan Hospitals" CISP-BMEI, pp.1–4. DOI: https://ieeexplore.ieee.org/document/8302292/ IEEE (EI).
  - ✧ Ming-Shu Chen*; Shu-Wen Chang; Yi-Horng Lai, (2016) "The intention to use the cloud sphygmomanometer-demonstrated by Taiwan medical center" CISP-BMEI,

pp.1843–1848. DOI: https://ieeexplore.ieee.org/document/7853017/ IEEE (EI)

- ✧ Ming-Shu Chen, Chen-Mao Liao, Ming-Hsun Wu, Chih-Ming Lin*, (2016), "Improvement of the Quality of Work in a Biochemistry Laboratory via Measurement System Analysis" Chinese Journal of Physiology, 59(5), pp. 293-299. DOI：10.4077/CJP.2016.BAF425 (SCI, IF=0.83/Q4)
- ✧ Ming-Shu Chen*, Tsung-Ching Lin, Bernard C. Jiang, (2015), "Aerobic and resistance exercise training program intervention for enhancing gait function in elderly and chronically ill Taiwanese patients" Public Health, 129(8), pp.1114-1124. DOI: 10.1016/j.puhe.2015.04.018 (SCI/SSCI, IF=1.56)
- ✧ Ming-Shu Chen*, Bernard C. Jiang, (2014), "Resistance training exercise program for intervention to enhance gait function in elderly chronically ill patients: Multivariate multiscale entropy for center of pressure signal analysis" Computational and Mathematical Methods in Medicine, 2014(2014), ID 471356, pp.1-10. http://dx.doi.org/10.1155/2014/471356 (SCI, IF=1.54/Q3)
- ✧ Ming-Shu Chen, Ming-Hsun Wu, Chih-Ming Lin*, (2014), "Application of Indices Cp and Cpk to Improve Quality Control Capability in Clinical Biochemistry Laboratories" Chinese Journal of Physiology, 57(2), pp.63-68. DOI: 10.4077/CJP.2014.BAB170 (SCI, IF=0.83/Q4)
- ✧ Chih-Hung Jen, Chien-Chih Wang, Bernard C. Jiang, Yan-Hua Chu, Ming-Shu Chen, (2012), "Application of classification techniques on development an early-warning system for chronic illnesses" Expert Systems with Applications, 39(10), pp.8852-8858. DOI: org/10.1016/j.eswa.2012.02.004 (SCI, IF=3.768/Q1)